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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/981,915	10/16/2001	Avi J. Ashkenazi	GNE.2630P1C12	8309
75	90 03/03/2006		EXAMI	NER
Ginger R Dreger			BLANCHARD, DAVID J	
Heller Ehrman	White & McAuliffe LLP			
275 Middlefield Road			ART UNIT	PAPER NUMBER
Menlo Park, CA 94025			1643	

DATE MAILED: 03/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

, ,		Application No.	Applicant(s)				
Office Action Summary		09/981,915	ASHKENAZI ET AL.				
		Examiner	Art Unit				
		David J. Blanchard	1643				
The MAIL Period for Reply	ING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
WHICHEVER IS - Extensions of time mafter SIX (6) MONTH - If NO period for reply - Failure to reply within Any reply received by	STATUTORY PERIOD FOR REPLY LONGER, FROM THE MAILING DA ay be available under the provisions of 37 CFR 1.13 S from the mailing date of this communication. is specified above, the maximum statutory period with the set or extended period for reply will, by statute, the Office later than three months after the mailing djustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. the mailing date of this communication. (35 U.S.C. § 133).				
Status							
1)⊠ Responsiv	e to communication(s) filed on <u>11 Ja</u>	nuary 2006.					
•==	This action is FINAL . 2b)⊠ This action is non-final.						
<u>'</u>	-						
•	ccordance with the practice under E						
Disposition of Clair	ne						
<u> </u>		u in the englishing					
, , , –	4) Claim(s) 61-65, 68-70 and 74-75 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
· ·· —	5)⊠ Claim(s) <u>63-65 and 68</u> is/are allowed.						
. , . –	Claim(s) <u>61-62, 69-70 and 74-75</u> is/are rejected.						
	is/are objected to.	· alaatian maanimamant					
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.	S.C. 8.119						
•	•	priority under 25 LLS C & 110(a)	(d) or (f)				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
,	,— ,–						
	 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No 						
=	ined copies of the priority documents ies of the certified copies of the prior		·				
·	ication from the International Bureau	·	u III this National Stage				
• •			d				
* See the attached detailed Office action for a list of the certified copies not received.							
-							
Attachment(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)							
Paper No(s)/Mail Date 6) Other: <u>Exhibit A</u> .							

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DETAILED ACTION

1. Prosecution on the merits of this application is reopened on claims 61-65, 68-70 and 74-75.

- Claims 1-60, 66-67 and 76-73 are cancelled.
 Claims 61-62, 64-65, 69 and 74-75 have been amended.
- 3. Claims 61-65, 68-70 and 74-75 are pending and under examination
- 4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 5. This Office Action contains New Grounds of Rejections.

Rejections Withdrawn

- 6. The rejection of claims 58-62 and 69-75 under 35 U.S.C. 112, first paragraph as failing to comply with the written description requirement is withdrawn in view of applicant's arguments and the amendments to the claims filed 1/11/06.
- 7. The rejection of claims 58-61 and 71-74 under 35 U.S.C 102(b) as being anticipated by Struyk et al (The Journal of Neuroscience 15(3):2141-2156, 1995) is withdrawn in view of the amendments to the claims.
- 8. The rejection of claims 58-61 and 69-74 under 35 U.S.C. 103(a) as being unpatentable over Struyk et al (The Journal of Neuroscience 15(3):2141-2156, 1995) in view of Grose (US Patent 5,710,248) is withdrawn in view of the amendments to the -claims.

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9. The rejection of claims 58-60 and 71-73 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention is withdrawn in view of the cancellation of the claims.

Response to Arguments

10. The rejection of claims 61-62, 69-70 and 74-75 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention is maintained.

The response filed 1/11/2006 does not address the rejection (item no. 14 of the office Action mailed 11/23/05) and as such the rejection is maintained.

New Grounds of Rejections

Priority

The patentable utility for the subject matter defined in claims 63-65, 68 and 74-75 is based on the proliferation of rat utricular supporting cells assay (Example 116 at page 277 of WO 99/46281), which was first disclosed in PCT/US99/05028 (WO 99/46281), filed 3/8/1999 and patentable utility for the subject matter defined in claims 61-62, 69-70 is based on the chondrocyte re-differentiation assay (Example 126 at page 359) which was first disclosed in PCT/US00/04341 (WO 00/53756), filed 2/18/2000.

Therefore, claims 63-65, 68 and 74-75 are granted the priority to 3/8/1999 and claims 61-62 and 69-70 (as dependent upon claim 61) are granted priority to 2/18/2000. The

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examiner Acknowledges the priority statement in the Office Action mailed 6/20/2005, however, the claims as presently amended recite the chondrocyte re-differentiation utility and therefore are granted priority to 2/18/2000.

Claim Rejections - 35 USC § 102

11. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 12. Claims 61-62 and 69-70 are rejected under 35 U.S.C. 102(a) as being anticipated by Fukushima et al [a] (WO 99/58668, published 11/18/1999) as evidenced by English equivalent Fukushima et al [b] (U.S. Patent 6,664,383 B1, cited on PTO-892 mailed 6/20/05).

The claims are interpreted as being drawn to isolated polypeptides comprising at least 95% amino acid sequence identity to the amino acid sequence of SEQ ID NO:523, optionally lacking its associated signal peptide or the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209487 (i.e., SEQ ID NO:523) wherein said polypeptide induces chondrocyte re-differentiation as well as a chimeric polypeptide comprising any of said polypeptides fused to a heterologous polypeptide that is an epiotpe tag or an Fc region of an immunoglobulin.

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Fukushima et al [a] teach a polypeptide that is identical to the polypeptide of SEQ ID NO:523 (see SEQ ID NO:3 of Fukushima et al [a] and the alignment attached to the back of this Office Action as Exhibit A). Fukushima et al [a] teach the polypeptide encoded by SEQ ID NO:3 fused to the Fc portion of an antibody as evidenced by Fukushima et al [b] (see column 7, liens 12-13 and 29-31).

Applicant is reminded that products of identical chemical composition cannot have mutually exclusive properties. A chemical composition and its properties are inseparable. Therefore, if the prior art teaches the identical chemical structure, the properties (i.e., chondrocyte re-differentiation) applicant discloses and/or claims are necessarily present. In re Spada 15 USPQ2d 1655, 1658 (Fed. Cir. 1990). See MPEP 2112.01.

Thus, Fukushima et al [a] as evidenced by Fukushima et al [b] anticipate the claims.

Conclusion

- 13. Claims 63-65 and 68 are free of the prior art and are in condition for allowance.
- 14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David J. Blanchard whose telephone number is (571) 272-0827. The examiner can normally be reached at Monday through Friday from 8:00 AM to 6:00 PM, with alternate Fridays off. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry-Helms, can be reached at

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(571) 272-0832. The official fax number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully, David J. Blanchard 571-272-0827

Taml Blut

LARRY R. HELMS, PH.D.
SUPERVISORY PATENT EXAMINER

Exhibit A

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RESULT 1
US-09-700-397-3
  Sequence 3, Application US/09700397
Patent No. 6664383
  PATENT NO. 6664383
GENERAL INFORMATION:
APPLICANT: Onc Pharmaceutical Co., Ltd.
TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use
FILE REFERENCE: Q61459
   CURRENT APPLICATION NUMBER: US/09/700,397
CURRENT FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: JP 10-131815
PRIOR FILING DATE: 1998-05-14
PRIOR APPLICATION NUMBER: PCT/JP99/02485
   PRIOR APPLICATION NUMBER: 0P-
PRIOR PILING DATE: 1998-05-14
PRIOR APPLICATION NUMBER: PCT,
PRIOR PILING DATE: 1999-05-13
NUMBER OF SEQ ID NOS: 19
  SOFTWARE: PatentIn version 3.0 SEQ ID NO 3
    LENGTH: 344
    TYPE: PRT
ORGANISM: Homo sapiens
    PEATURE:
    NAME/KEY: misc feature
OTHER INFORMATION: Clone OC001 derived from human brain
US-09-700-397-3
  Query Match 100.
Best Local Similarity 100.
Matches 344; Conservative
                             100.0%; Score 1806; DB 2; Length 344; 100.0%; Pred. No. 3e-172; tive 0; Mismatches 0; Indels 0
                                                                               Gaps
             Qy
Db
            Qy
Db
           Qy
Db
           Qy
DЪ
           Qy
Db
           Qy
Db
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